

ABSTRACT OF THE DISCLOSURE

Provided are a shape memory polymer composition, which comprises a bifunctional isocyanate and/or a trifunctional isocyanate, and a polyol having an average molecular weight of from 100 to 550, with a molar ratio in terms of functional groups of isocyanate : polyol = 0.9 to 1.1 : 1.0; FRP having the shape memory polymer and a fibrous material; and a production process of the FRP comprising impregnating the fibrous material with, as a matrix resin, the shape memory polymer composition and curing. According to the present invention, the shape memory polymer composition has an extended pot life and FRP has excellent inflatability.